

# Innovation Grant Finalists

Project Title	Project Contact	Disciplines	Institutions
Scaling Undergraduate Research to Promote Success in STEM Education	Mark Kubinec	Chemistry	UC Berkeley, UC Irvine, Sonoma State, Foothill College, Bakersfield College
Enhancing Student Success via Active Adaptive Learning and Process Oriented Guided Inquiry Learning	Sundararajan Venkatadriagram	Engineering	UC Riverside, Cal Poly Pomona, Mt. San Antonio College, UC San Diego
Implementing and Testing Adaptive Learning Software for Introductory Physics, Chemistry and Engineering Classes	Peter Taborek	Engineering, Chemistry, Physics	UC Irvine, Orange Coast College, Golden West College
Improving Learning Outcomes for All General Chemistry Students through Adaptive Hybrid Courses	Mark Blaser	Chemistry	Mt. San Antonio College, Shasta College, American River College, Fresno City College, Merced College, Hartnell College, UC Davis, Cal State LA, Stanford
Improving Student Engagement through Data-Driven Class Modules of Climate and Justice	Jake Pollack	Earth Sciences/Biology	Sonoma State, Chico State, Skyline College
New Outlooks for Visualization and Adaptive Learning in Engineering to Improve Retention (NOVA Learning)	Melissa Teetzel	Engineering	CSU San Marcos, MiraCosta College, Palomar College
Introducing Research Deconstruction Pedagogy into Gateway Courses to Improve Student Engagement with STEM	Ira Clark	Biology/Chemistry	UCLA, Fresno State, Glendale Community College, Santa Monica College
OLIVE-TREE: OnLine Interactive Virtual Environment for Transforming Engineering Education	Xinkai Wu	Engineering	Cal Poly Pomona, CSU San Bernardino, Mt. San Antonio College, Rio Hondo College, Butte College
On-Ramp to STEM	Gillisann Harootunian	Math	Fresno State, Fresno City College, Clovis Community College, West Hills Community College District
Rebalancing the Equity Gap in Chemistry Education with Individualized Adaptive Learning	Delmar Larsen	Chemistry	UC Davis, CSU San Bernardino, Mendocino College, Academic Senate for California Community Colleges
Use of Adaptive Learning Technology and Intersegmental Professional Learning Community to Implement Trauma Informed Educational Practices in Lower-Division STEM Courses	Jim Collins	Interdisciplinary	Sacramento City College, UC Davis, Sacramento State, Sacramento high schools

# Professional Development Grant Finalists

Project Title	Project Contact	Disciplines	Institutions
Bay Area Math Collaborative	Bruce Simon	Math	CSU East Bay, Berkeley City College, College of Alameda, Laney College, Merritt College, Ohlone College, SF State, San Jose State
Building Community and Facilitating Active Learning in Online STEM Courses	Andrea Aebersold	Interdisciplinary	UC Irvine, Santa Ana College
Closing Equity Gaps in Introductory Biology through Faculty Professional Development in Active Learning Practices	Tim Herrlinger	Biology	UC Berkeley, Berkeley City College, CSU East Bay
Deeper Math Learning through Metacognitive Conversation	Emily Magruder	Math	CSU Chancellor's Office, LACCD/3CSN
Infusing Equity-minded and Culturally Affirming Pedagogies in Gatekeeper STEM Courses	Frank Harris III	Interdisciplinary	San Diego State, Compton Community College, Azusa Pacific University, USC
Laboratory Innovations for Technology	Beth Weinman	Interdisciplinary	CSU Chancellor's Office, CSU San Marcos, Fresno State, CSU San Bernardino, MiraCosta College
Supporting Faculty in Using Extended Reality in Their STEM Gateway Courses	Sara Kassis	Interdisciplinary	Sonoma State, Santa Rosa Junior College
Synchronizing College Science Faculty with NGSS and Equitable Science Teaching Practices	Brian Foley	Interdisciplinary	CSU Northridge, Pasadena City College, LA Mission College
The Teaching Experiment Academy	Megan Linos	Interdisciplinary	UC Irvine, San Jose State, Cal Poly Pomona